

THE TECH

Vol. XXVII. No. 33

BOSTON, MASS., MONDAY, DECEMBER 16, 1907

PRICE THREE CENTS



MUSICAL CLUBS.

WINTER CONCERT AND DANCE ON THURSDAY EVENING.

BANJO, MANDOLIN, AND GLEE CLUBS TO HOLD FORTH.

Musical Clubs Have Given Annual Concerts Since Start in 1895. Have Had Professional Coaching This Season.

On Thursday evening will be held one of the big social events of the year, the annual winter concert of the musical clubs. This concert and the spring concert have been given ever since the musical clubs started, and have always been popular.

The first records of the association of the glee, banjo, and mandolin clubs date back to 1895. Before that time, the clubs existed only in a superficial manner, evidently giving no concerts for money and only entertaining at small concerts for Institute students and their friends. Since that time the clubs have grown, and the two annual concerts, given every year since that time, have grown to be an important feature of the social life at the Institute.

In 1897, trips to Fall River and to Northampton were made and a concert given at the Colonial Club in Cambridge. Every year since then the musical clubs have given a concert at the Colonial Club, after which the fellows are entertained royally by the club members.

The first constitution, which was adopted in 1895, has remained with practically no changes, although the clubs have grown since that time. In 1898, eight concerts were given, including Gloucester and Lexington, but the banner year in the history of the club was the season of 1900-1901, when twenty concerts were given, including Marblehead, Wellesley, Northampton, Cam-

bridge, Salem and Lynn. The average number of concerts since the clubs were started has been about twelve a season, although in the latter years it has run somewhat above that number.

The club has given several successful concerts so far this year, and the prospects for the season are bright. Members of the Institute will have a good chance to judge for themselves at the concert Thursday. This concert is to be held in Potter and Howe halls of the New Century building, and will be followed, as usual, by a dance.

The clubs are larger and in better shape this year than ever before. They have had more coaching by professionals than in previous years and they are in first class trim. Nat Coleman, the leader of the mandolin club has some surprises in store, and Guy Schaffer of the glee club has departed in many ways from the usual program in a manner which promises a successful concert as far as his part is concerned.

Music for the dance afterward, will be furnished by Poole's Orchestra. The dance will, as usual, be held in the same building as the concert. The matrons will be Mrs. Dugald C. Jackson, Mrs. Henry Talbot, and Mrs. Frank H. Rana.

Tickets for the concerts alone are fifty cents; those for the concert and dance are one dollar. They may be obtained of the following: Herbert T. Gerrish 1908, Leslie B. Ellis 1908, Harold Sharp 1909, Herbert Stiebel 1909, Clifford C. Hield 1910, Elwell R. Jackson 1910, Donald Stevens 1911, and Kenneth Faunce 1911. The seat sale begins today.

NEED OF ENDOWMENT IS PRESSING.

ALUMNI FUND ONLY TEMPORARY.

Treasurer's Report Shows Interesting Comparisons.

Most interesting of the matters brought out in the report of the Treasurer is that the need of endowment is most pressing and that the income from the alumni fund and state is only temporary. The Treasurer makes also most interesting comparisons.

The deficit is \$4902.56, an increase over last year of about \$1000. This, however, is not alarmingly great, as the Treasurer points out that with a full use of the income from the fund committee there would be a surplus. The deficit, therefore, this year is deliberate.

The following table shows some of the principle items in 1891 and in 1907:

| | 1891 | 1907 |
|--|----------------|----------------|
| Total property both real and personal | \$1,364,684.98 | \$3,937,129.88 |
| Total students | 937 | 1,410 |
| Fees from students and scholarship funds | \$182,088.00 | \$331,009.50 |
| Salaries including instruction, lectures, administration and labor | 160,229.95 | 383,481.28 |
| Department supplies | 25,857.82 | 54,616.44 |
| Repairs | 6,948.66 | 6,816.65 |
| General expenses | 9,180.73 | 17,315.03 |
| Total expenditure | 238,676.91 | 510,009.50 |

"From the above figures," the report says, "it will be seen that the number of students has increased over 50 per cent, fees from the student and scholarship funds over 82 per cent, salaries over 139 per cent, and total expenditures of all kinds more than 113 per cent.

"This increase in total expense is not caused by any one class of expenditure."
(Continued on page 3.)

TECH TEAM LOSES TO DARTMOUTH

BASKETBALL SCORE 37-21.

Game Saturday was Hard Fought From Start to Finish.

Dartmouth defeated the Technology basketball team by the score of 37 to 21 in a hard fought contest last Saturday evening.

The game which was played in the Dartmouth gymnasium at Hanover, was close from start to finish, and the victory of the Green was hard earned indeed.

The work of the Tech team on the offensive was splendid, good team work being shown, but on the defense the team was singularly lacking. On the other hand the work of the Hanover guards was noteworthy, while the shooting of the forwards lost them many easy chances for goals.

About the same proportion of score existed all through the game. At the end of the first half, which was twenty minutes long, the score stood 13 to 9 in favor of Dartmouth.

Unfamiliarity with the floor was a great disadvantage to the Tech men and hurt their shooting to a very considerable extent. Other local peculiarities were strange to them.

A battle royal ensued between the two captains, Lang and Wentworth, who played the same position against each other in the middle field. Lang is a veteran of several year's experience on the Dartmouth varsity. He got slightly the best of Wentworth in play around the field and easily excelled him in shooting the leather for the basket.

Cahill, who did the shooting for Tech on free tries split even with Brady, who did the same work for Dartmouth.
(Continued on page 2.)

THE TECH

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Monday, December 16, 1907.

ANNOUNCEMENT.

In the Wednesday issue of THE TECH there will appear the first of a series of articles from men high up in the industrial world. These articles have been written especially for Technology men, giving news from the front in the battle of the engineer and organizer with the industrial and economic problems.

The first article is by J. K. Turner, president of the Manufacturer's Information Bureau. Mr. Turner is the originator of this company, which is doing great work in the solution of the labor problems in American industries.

The article is entitled "New Fields for the Technologist."

Mr. Turner rose from the ranks, beginning as a freight clerk. He has studied deeply the labor union movement and has done splendid work in steering the unions along the right path. The late Senator Mark Hanna said of him, "He is the strongest man in the movement for good in the labor unions."

Mr. Turner seldom writes for other than industrial magazines, talks by him having appeared from time to time in the official magazine of the National Association of Manufacturers, and the Pennsylvania State Builders' League.

ARTISTIC CALENDARS ON SALE.

That Technology is to be well provided for in the way of calendars can be seen from the beautiful display in Rogers. To date two distinguished copies have made their appearance and they represent the two distinct phases of Institute life—the strict adherence to student curriculum and the social life so popular to Tech men.

COLLEGE PRESS MEN SMOKE.

Professional Journalists Talk at the Meeting.

Owing to the interference of examination period at many of the New England colleges, there was not a very large attendance at the annual smoker of the New England Intercollegiate Press Association Friday evening at the Copley Square Hotel. Interesting topics were brought up for discussion by the three speakers, Edward Stanwood, editor of the Youth's Companion; Frank Gorham of the Boston Globe, and Harold W. Lovett of the Lovett Advertising Agency.

The following were present: R. B. Chamberlain, Wesleyan Argus, C. M. Butterworth and W. H. Plant, Trinity Tripod; C. J. Massech and G. Burt, Tufts Weekly; C. E. Hughes, Brown Daily Herald; J. F. O'Sullivan, Boston College Stylus, and J. A. Locke, Harvard Crimson. H. W. Hoole, D. C. McMurtrie, C. Turner, G. A. Haynes, and H. I. Pearl represented THE TECH.

ENGLISH HIGH TAKES RUN.

Three Mile Race For Schoolboys a Success.

English High School won the interscholastic cross country run held Saturday afternoon at Tech field. The run was under the auspices of the M. I. T. A. A. Only three schools entered a full team. The schools finished in the order: English High School, 32; Mechanic Arts High School, 51; Boston Latin School, 57.

TECH LOSES TO DARTMOUTH.

(Continued from page 1.)

Each had three goals to his credit at the end of the game.

The Tech forwards, Hargraves and Cahill, did excellent work in passing and shooting the ball and covered their field very thoroughly. When the ball got into their opponents hands, however, Dartmouth seemed able to score at will.

The game was a most interesting one in revealing, as it did, the relative ability of the two teams. This had previously been a matter of considerable speculation. As it turned out Saturday, both teams appeared strong. Dartmouth showed her strength in her concerted play, while Tech's work in negotiating the baskets was at times very brilliant.

The summary:

DARTMOUTH.

Brady lf. rg. Nichols (Lamont)
Wiley rf. lg. Parker
Lang c. c. Wentworth
Shildmiller (Burns) lg. rf. Hargraves
Dingle rg. lf. Cahill

Score, Dartmouth 37, Tech 21. Goals from floor, Shildmiller 3, Dingle, Lang 7, Wiley 2, Brady 4, Hargraves 3, Cahill 2, Nichols, Parker. Goals on free tries, Brady 3, Cahill 3. Referee Alling. Timer, C. W. Whitmore. Time, 20 min. halves. Attendance, 500.

SOUTHERN CLUB PLANS

To Hold Christmas Gathering.

A meeting of the Southern club was held last Friday evening at the Union. As President Reed was ill, Vice-President Ayres took the chair. The speakers of the evening were Prof. Norris, Mr. Ellis and Mr. Dunne, business men of Boston. The club voted to have an informal gathering of the members who did not go home for Christmas, on the night of the 24th. It was decided to let Vice-President Ayres make arrangements for the club's insertion in Technique.

WORK OF LOUIS PASTEUR.

Prominent Frenchman to Speak on this Subject to Tech Men.

Tech men will have the pleasure of listening to a man most eminent in ecclesiastical circles at the meeting of the Catholic Club to be held in 16 Rogers tomorrow night. The speaker will be Le Marquis Bouthillier Chavigny, a prominent member of the French nobility who has lately been spending his time on the continent, his headquarters being in Canada. He is an authority on some branches of science and he will take up at the meeting a subject that should be of great interest to Technology men, whether they are members of the club or not. He will give an intimate story of the life of a man who has made perhaps the greatest contribution to modern science, Louis Pasteur. Pasteur is the man who is responsible for many of the preventive methods that are in use in the practice of medicine and stands in the front rank of contemporary scientists. The meeting is open to all and the club extends a most hearty invitation to every man at the Institute to come to this meeting and enjoy what will undoubtedly be a most interesting talk.

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NEED OF ENDOWMENT.

(Continued from page 1.)

tures, but is distributed throughout most of them.

"The increase in the total property has been large, being nearly 190 per cent, but it must be borne in mind that of the total amount more than one-half is in the form of real estate and scholarship funds, and another large portion is represented by equipment and by special trust funds which do not contribute to meet the expenses of the Institute.

"The main reliance therefore is on tuition fees, and in spite of the advance made some years since, raising the fee to \$250 per annum, the increase in expenditures has far outstripped the increase in tuition.

"This can easily be explained by the higher educational requirements which now prevail, by the larger proportion of students in the upper classes, by the better facilities now offered and the increased cost of instruction and supplies.

"The generous aid of the alumni, amounting this year to \$46,588.04, has made possible many much-needed expenditures, but this income, like much of that from the state, is pledged for only a few years. The need for endowment is most pressing and should appeal to all who feel the importance to the community of the higher technical education.

"The following gifts and legacies have been received during the year and call for sincere thanks from the Institute:

| | |
|---|-------------|
| Income committee | \$46,588.04 |
| Legacy under the will of the late Charles Merriam | 25,000.00 |
| Legacy under the will of the late Alexander S. Wheeler | 5,000.00 |
| From an anonymous friend for a further payment for the sanitary research fund | 5,000.00 |
| From Dr. A. A. Noyes for physico-chemical research | 3,000.00 |
| Additional amount under the will of the late Thomas Gaffield | 2,000.00 |
| From Charles G. Weld, M.D., for the department of naval architecture | 1,400.00 |
| From the Saturday club for the purchase of books | 1,000.00 |
| From the Caroline A. R. Whitney estate, for seismographic apparatus | 750.00 |
| From Mrs. William B. Rogers for the department of geology | 500.00 |
| And for the purchase of periodicals | 225.00 |
| From an anonymous friend, for salaries | 500.00 |
| From the William E. Hale research fund, for physico-chemical research | 500.00 |
| Additional payment under the will of the late Susan E. Dorr | 440.40 |

| | |
|--|--------|
| From A. D. Little for salaries in the chemical department | 300.00 |
| From Mrs. Henry Pickering for the department of history | 100.00 |
| Additional payment under the will of the late Mary S. Pope | 28.18 |

"It is proper to make special reference to the great assistance furnished by the income fund committee. Had the whole of the money contributed from this source been used for this year's expenses, this report would have shown a surplus of several thousand dollars instead of a deficit in the current expense account, but it has been felt that the wishes of the alumni would be best carried out by devoting their gifts as far as possible to special matters of development rather than to mere maintenance.

"Accordingly, besides paying during the past year for special apparatus for the mechanical engineering department and for the electrical department, and besides salary payments to strengthen the instructing staff, there has been reserved the sum of \$10,000 to be applied during the coming year to certain special purposes, such as the purchase of a steam turbine and the extension of the plan of personal conferences between first-year students and their instructors, in which matters various alumni have expressed a special interest."

"The Walker Memorial contributions are technically held as a separate fund, but for the interest of the alumni there is given a list of the securities held for that fund and a statement of its total amount, which with accrued interest is at the present time \$112,033.40.

In the comparative statement of funds the Treasurer gives the following:

| | Sept. 29, '06 | Sept. 30, '07 |
|-------------------------------------|----------------|----------------|
| Trusts for general purposes | \$736,850.21 | \$741,850.21 |
| Trusts for salaries | 108,100.00 | 108,100.00 |
| Trusts for scholar ships | 325,390.68 | 336,770.07 |
| Other trusts | 447,063.99 | 652,310.59 |
| M. I. T. stock account | 1,821,924.71 | 1,816,023.15 |
| Walker mem'l fund | | 112,033.40 |
| Aug. Lowell lab electrical eng fund | 68,000.00 | 68,000.00 |
| Geo. B. Upton legacy | 5,000.00 | 5,000.00 |
| Mary S. Pope legacy | 25,000.00 | 25,028.81 |
| Thos. Gaffield legacy | 43.18 | 2,043.18 |
| Chas Merriam legacy, 1907 | | 25,000.00 |
| Miscellaneous | 141,427.55 | 64,961.45 |
| Totals | \$3,888,800.32 | \$3,997,121.88 |

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The Review aims to develop closer relations among Institute men and to stimulate their interest in the work of the College. It is in no sense an engineering magazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man.

THE REVIEW is published during January, April, July, and October. Communications should be addressed to THE TECHNOLOGY REVIEW, 83 Newbury St., Boston.

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CALENDAR.

- Monday, December 16.
4.00 P. M. Glee Club Rehearsal at the Union.
4.00 P. M. Mandolin Club Rehearsal in 31 Rogers.
6.30 P. M. Instructors' Club Dinner at the Union.
6.30 P. M. Musical Clubs Start on Lynn trip from Boylston St. Subway Station.
8.30 P. M. Reserved Seats for Winter Concert on Sale in Rogers Corridor.
Tuesday, December 17.
4.00 P. M. Meeting of the Board of Editors of THE TECH in 30 Rogers.
4.00 P. M. Banjo Club Rehearsal in 33 Rogers.
7.30 P. M. Catholic Club Meeting in 16 Rogers.
8.00 P. M. Chemical Society Meeting at the Union.
8.00 P. M. Technology Club Smoker at 83 Newbury Street.
8.00 P. M. A. I. E. E. Meeting in Edison Building, 39 Boylston Street.
Wednesday, December 18.
4.00 P. M. Dean Burton Speaks to Freshmen in 6 Lowell.
4.15 P. M. Civil Engineering Society in 11 Eng. B.
6.00 P. M. Biological Society Dinner at the Union.

FACULTY NOTICE.

PETROGRAPHY (4th YEAR).—Laboratory work in petrography will be on Thursday mornings for the remainder of the term. Dr. Loughlin and Mr. Clapp are available for consultation from 10 to 1 o'clock. Every student is expected to hand to Dr. Loughlin before next Thursday a memorandum stating at what definite hours he will be present for consultation.

NOTICES.

CATHOLIC CLUB.—Meeting Tuesday evening, in 16 Rogers.

EXETER CLUB.—There will be an important meeting of the Exeter club Thursday at 1.00 P. M. in 26 Rogers.

THE TECH.—Meeting of the Board of Editors of THE TECH tomorrow at 4.00 P. M. in 30 Rogers.

1907 CATALOGUE.—The catalogue for 1907 is on distribution at the Information Desk.

MUSICAL CLUBS.—Dress for Winter Concert will be black vest, white tie and standing collar.

1910 TUG OF WAR.—The proof of the 1910 tug of war group may be seen at Notman's studio. The price per picture is \$1.25.

RANGELEY DINNER.—Civil engineering summer school students expecting to attend the dinner Friday evening will please settle up with Spurr 1908 or Nisbet 1909 before Wednesday night.

TECHNOLOGY CLUB.—On next Tuesday evening a smoke talk will be given by Dr. Ernest F. Henderson on "Liberty and Death in the French Revolution." The talk will be illustrated by lantern slides. Members have the privilege of bringing guests.

CLASSIFIED ADS.

Advertisements of this kind under different classifications are inserted at the rate of five cents a line, averaging six words to a line, payable in advance.

FOUND.—A slide rule. Inquire at the Bursar's office.

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